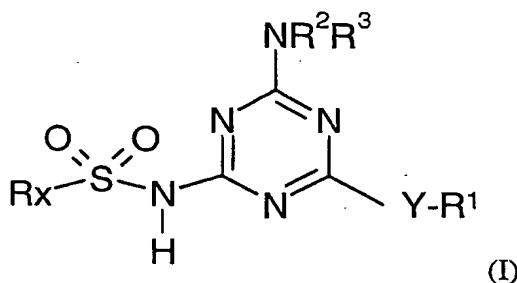


CLAIMS

1. A compound of formula (1), or a pharmaceutically acceptable salt, solvate or *in vivo* hydrolysable ester thereof:



wherein Y is selected from a bond, -S-, -O-, -NR⁵-, -CF₂-CH₂-, -CF₂CF₂-, -CONR⁵-, phenyl or heteroaryl.

wherein R¹ is a group selected from C₃₋₇carbocyclyl, C₁₋₈alkyl, C₂₋₆alkenyl and C₂₋₆alkynyl; wherein the group is optionally substituted by 1, 2 or 3 substituents independently selected from fluoro, nitrile, -OR⁴, -NR⁵R⁶, -CONR⁵R⁶, -COOR⁷, -NR⁸COR⁹, -SR¹⁰, -SO₂R¹⁰, -SO₂NR⁵R⁶, -NR⁸SO₂R⁹, phenyl or heteroaryl; wherein phenyl and heteroaryl are optionally substituted by 1, 2 or 3 substituents independently selected from halo, cyano, nitro, -OR⁴, -NR⁵R⁶, -CONR⁵R⁶, -COOR⁷, -NR⁸COR⁹, -SR¹⁰, -SO₂R¹⁰, -SO₂NR⁵R⁶, -NR⁸SO₂R⁹, C₁₋₆alkyl and trifluoromethyl;

wherein R² is C₃₋₇carbocyclyl, optionally substituted by 1, 2 or 3 substituents independently selected from fluoro, -OR⁴, -NR⁵R⁶, -CONR⁵R⁶, -COOR⁷, -NR⁸COR⁹, -SR¹⁰, -SO₂R¹⁰, -SO₂NR⁵R⁶, -NR⁸SO₂R⁹;

or R² is a 3-8 membered ring optionally containing 1, 2 or 3 atoms selected from O, S, -NR⁸ and whereby the ring is optionally substituted by C₁₋₃alkyl or fluoro;

or R² is a phenyl or heteroaryl, each of which is optionally substituted by 1, 2 or 3 substituents independently selected from halo, cyano, nitro, -OR⁴, -NR⁵R⁶, -CONR⁵R⁶, -NR⁸COR⁹, -SO₂R¹⁰, -SO₂NR⁵R⁶, -NR⁸SO₂R⁹;

or R² is a group selected from C₁₋₈alkyl, C₂₋₆alkenyl or C₂₋₆alkynyl wherein the group is substituted by 1, 2 or 3 substituents independently selected from hydroxy, amino, C₁₋₆alkoxy, C₁₋₆alkylamino, di(C₁₋₆alkyl)amino, N-(C₁₋₆alkyl)-N-(phenyl)amino, N-C₁₋₆alkylcarbamoyl,

N,N-di(C₁₋₆alkyl)carbamoyl, N-(C₁₋₆alkyl)-N-(phenyl)carbamoyl, carboxy, phenoxy carbonyl, -NR⁸COR⁹, -SO₂R¹⁰, -SO₂NR⁵R⁶ and -NR⁸SO₂R⁹;

wherein R³ is hydrogen or independently R²;

R⁴ is hydrogen or a group selected from C₁₋₆alkyl and phenyl, wherein the group is optionally

5 *substituted by 1 or 2 substituents independently selected from halo, phenyl, -OR¹¹ and -NR¹²R¹³;*

R⁵ and R⁶ are independently hydrogen or a group selected from C₁₋₆alkyl and phenyl wherein the group is optionally substituted by 1, 2 or 3 substituents independently selected from halo, phenyl, -OR¹⁴, -NR¹⁵R¹⁶, -COOR¹⁴, -CONR¹⁵R¹⁶, -NR¹⁵COR¹⁶, -SO₂R¹⁰, -SONR¹⁵R¹⁶ and

10 *NR¹⁵SO₂R¹⁶*

or

R⁵ and R⁶ together with the nitrogen atom to which they are attached form a 4- to 7-membered saturated heterocyclic ring system optionally containing a further heteroatom selected from oxygen and nitrogen atoms, which ring is optionally substituted by 1, 2 or 3

15 *substituents independently selected from phenyl, -OR¹⁴, -COOR¹⁴, -NR¹⁵R¹⁶, -CONR¹⁵R¹⁶, -NR¹⁵COR¹⁶, -SO₂R¹⁰, -SONR¹⁵R¹⁶, NR¹⁵SO₂R¹⁶ or C₁₋₆alkyl (optionally substituted by 1 or 2 substituents independently selected from halo, -NR¹⁵R¹⁶ and -OR¹⁷ groups);*

R¹⁰ is hydrogen or a group selected from C₁₋₆alkyl or phenyl, wherein the group is optionally substituted by 1, 2 or 3 substituents independently selected from halo, phenyl, -OR¹⁷ and -

20 *NR¹⁵R¹⁶; and each of R⁷, R⁸, R⁹, R¹¹, R¹², R¹³, R¹⁴, R¹⁵, R¹⁶, R¹⁷ is independently hydrogen, C₁₋₆alkyl or phenyl;*

R^x is trifluoromethyl, -NR⁵R⁶, phenyl, napthyl, monocyclic or bicyclic heteroaryl wherein a heteroring may be partially or fully saturated and one or more ring carbon atoms may form a carbonyl group, and wherein each phenyl or heteroaryl group is optionally substituted by 1, 2

25 *or 3 substituents independently selected from halo, cyano, nitro, -OR⁴, -NR⁵R⁶, -CONR⁵R⁶, -COR⁷, -COOR⁷, -NR⁸COR⁹, -SR¹⁰, -SO₂R¹⁰, -SO₂NR⁵R⁶, -NR⁸SO₂R⁹, C₁₋₆alkyl or trifluoromethyl;;*

or R^x is a group selected from C₃₋₇carbocyclic, C₁₋₈alkyl, C₂₋₆alkenyl and C₂₋₆alkynyl whereby the group is optionally substituted by 1, 2 or 3 substituents independently selected from halo,

30 *-OR⁴, -NR⁵R⁶, -CONR⁵R⁶, -COR⁷, -COOR⁷, -NR⁸COR⁹, -SR¹⁰, -SO₂R¹⁰, -SO₂NR⁵R⁶, -NR⁸SO₂R⁹, phenyl or heteroaryl; and wherein each phenyl or heteroaryl group is optionally substituted by 1, 2 or 3 substituents independently selected from halo, cyano, nitro, -OR⁴, -*

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NR⁵R⁶, -CONR⁵R⁶, -COR⁷-COOR⁷, -NR⁸COR⁹, -SR¹⁰, -SO₂R¹⁰, -SO₂NR⁵R⁶, -NR⁸SO₂R⁹, C₁₋₆alkyl or trifluoromethyl;

2. A compound, or a pharmaceutically acceptable salt, solvate or *in vivo* hydrolysable ester thereof according to claim 1 wherein R² is C₁₋₈alkyl optionally substituted by 1 or 2 hydroxy substituents.

3. A compound, pharmaceutically acceptable salt, solvate or *in vivo* hydrolysable ester thereof according to claim 1 wherein R¹ is benzyl or -CH₂CH₂OPh, or CH₂CH₂Ph wherein in 10 each case the phenyl ring is optionally substituted by 1, 2 or 3 substituents independently selected from fluoro, chloro, bromo, methoxy, methyl and trifluoromethyl.

4. A compound, pharmaceutically acceptable salt, solvate or *in vivo* hydrolysable ester thereof wherein R³ is hydrogen.

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5. A compound, pharmaceutically acceptable salt, solvate or *in vivo* hydrolysable ester thereof wherein Y is selected from a bond, -S-, and -CF₂-CH₂- and -CH₂-CH₂-.

6. A compound, pharmaceutically acceptable salt, solvate or *in vivo* hydrolysable ester 20 thereof wherein R^x is methyl, 1-methylimidazolyl, 1,2-dimethylimidazolyl, N,N-dimethylamino, azetidinyl, pyrrolidinyl, morpholinyl, piperidinyl and trifluoromethyl

7. A compound selected from the group consisting of:

N-[4-[(2,3-difluorophenyl)methyl]thio]-6-[(1*R*)-2-hydroxy-1-methylethyl]amino]-1,3,5-triazin-2-yl]-methanesulfonamide; and

N-[4-[(2,3-difluorophenyl)methyl]thio]-6-[(1*R*)-2-hydroxy-1-methylethyl]amino]-1,3,5-triazin-2-yl]-1-azetidinesulfonamide, N-[4-[(2,3-difluorophenyl)methyl]thio]-6-[(1*R*)-2-hydroxy-1-methylethyl]amino]-1,3,5-triazin-2-yl]-methanesulfonamide

N-[4-[(2,3-difluorophenyl)methyl]thio]-6-[(1*R*)-2-hydroxy-1-methylethyl]amino]-1,3,5-triazin-2-yl]-1-azetidinesulfonamide

4-morpholinesulfonamide, N-[4-[(2,3-difluorophenyl)methyl]thio]-6-[(1*R*)-2-hydroxy-1-methylethyl]amino]-1,3,5-triazin-2-yl]-

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methanesulfonamide, *N*-[4-[[2-(2,3-difluorophenoxy)ethyl]thio]-6-[[*(1R*)-2-hydroxy-1-methylethyl]amino]-1,3,5-triazin-2-yl]-
methanesulfonamide, 1,1,1-trifluoro-*N*-[4-[[*(1R*)-2-hydroxy-1-methylethyl]amino]-6-(2-phenylethyl)-1,3,5-triazin-2-yl]- or a pharmaceutically acceptable salt, solvate or *in vivo* hydrolysable ester thereof.

8. A compound, or a pharmaceutically acceptable salt, solvate or *in vivo* hydrolysable ester thereof according to any one of claims 1 to 7 for use as a medicament.
- 10 9. A compound, or a pharmaceutically acceptable salt, solvate or *in vivo* hydrolysable ester thereof according to any one of claims 1 to 7 for use as a medicament for the treatment of asthma, allergic rhinitis, COPD, inflammatory bowel disease, osteoarthritis, osteoporosis, rheumatoid arthritis, or psoriasis..
- 15 10. A compound, or a pharmaceutically acceptable salt, solvate or *in vivo* hydrolysable ester thereof according to any one of claims 1-7, for use as a medicament for the treatment of cancer.
- 20 11. The use of a compound, or a pharmaceutically acceptable salt, solvate or *in vivo* hydrolysable ester thereof, according to any one of claims 1 to 7 in the manufacture of a medicament for the treatment of human diseases or conditions in which modulation of chemokine receptor activity is beneficial.
- 25 12. The use of a compound, or a pharmaceutically acceptable salt, solvate or *in vivo* hydrolysable ester thereof, according to any one of claims 1 to 7 in the manufacture of a medicament for the treatment of asthma, allergic rhinitis, COPD, inflammatory bowel disease, irritable bowel syndrome, osteoarthritis, osteoporosis, rheumatoid arthritis, or psoriasis..
- 30 13. The use of a compound, or a pharmaceutically acceptable salt, solvate or *in vivo* hydrolysable ester thereof, according to any one of claims 1 to 7 in the manufacture of a medicament for the treatment of cancer.

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14. A pharmaceutical composition comprising a compound, or a pharmaceutically acceptable salt, solvate or *in vivo* hydrolysable ester thereof according to any one of claims 1 to 7; and a pharmaceutically-acceptable diluent or carrier.

5 15. A process for the preparation of a compound according to claim 1 or a pharmaceutically acceptable salt, solvate or *in vivo* hydrolysable ester thereof, which comprises the steps of:
treating a compound of formula (2):

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(2)

wherein Y, R¹, R² and R³ are as defined in formula (1) with a sulfonamide of formula R^xSO₂NH₂ where R^x is as defined in formula (1);

15 and optionally thereafter, one or more of steps (i), (ii), (iii), (iv), or (v) in any order:
 i) removing any protecting groups;
 ii) converting the compound of formula (1) into a further compound of formula (1)
 iii) forming a salt
 iv) forming a prodrug
 20 v) forming an *in vivo* hydrolysable ester.

16. A combination therapy which comprises administering a compound of formula (1) or a pharmaceutically acceptable salt, solvate or *in vivo* hydrolysable ester thereof, or a pharmaceutical composition or formulation comprising a compound of formula (1),
 25 concurrently or sequentially with other therapy and/or another pharmaceutical agent.

17. A combination therapy as claimed in claim 16 for the treatment of asthma, allergic rhinitis, COPD, inflammatory bowel disease, irritable bowel syndrome, osteoarthritis, osteoporosis, rheumatoid arthritis, or psoriasis.

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18. A combination therapy as claimed in claim 16 for the treatment of cancer.
19. A pharmaceutical composition which comprises a compound of formula (1) or a pharmaceutically acceptable salt, solvate or *in vivo* hydrolysable ester thereof, in conjunction
5 with another pharmaceutical agent.
20. A pharmaceutical composition as claimed in claim 19 for the treatment of asthma, allergic rhinitis, COPD, inflammatory bowel disease, irritable bowel syndrome, osteoarthritis, osteoporosis, rheumatoid arthritis, or psoriasis.

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21. A pharmaceutical composition as claimed in claim 19 for the treatment of cancer.